University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 131

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

1. Project Description

Domain

The domain of our application is pet shelter management. The goal is to allow the user to efficiently manage all areas of a pet shelter including the adoption and care of animals, appointments, staff management, social media, event planning, and inventory management.

What aspects of the domain are modeled by the database?

The database used in our pet shelter management application would model the following aspects of the domain:

- **Animal Records**: keep track of current and past animals in their shelter with relevant related information
- **People Records**: keep track of animal caretakers, animal caretaker volunteers, adopters, customers, and veterinarians
- **Appointments Tracking**: keep track of scheduled appointments for prospective owners for visiting the animal as well as vet appointments for the animals
- **Shelter Pet Shop:** keep track of items, stock levels, and sales
- **Financial Transactions**: keep track of purchases and donations made

2. Database specifications

Database Functionality

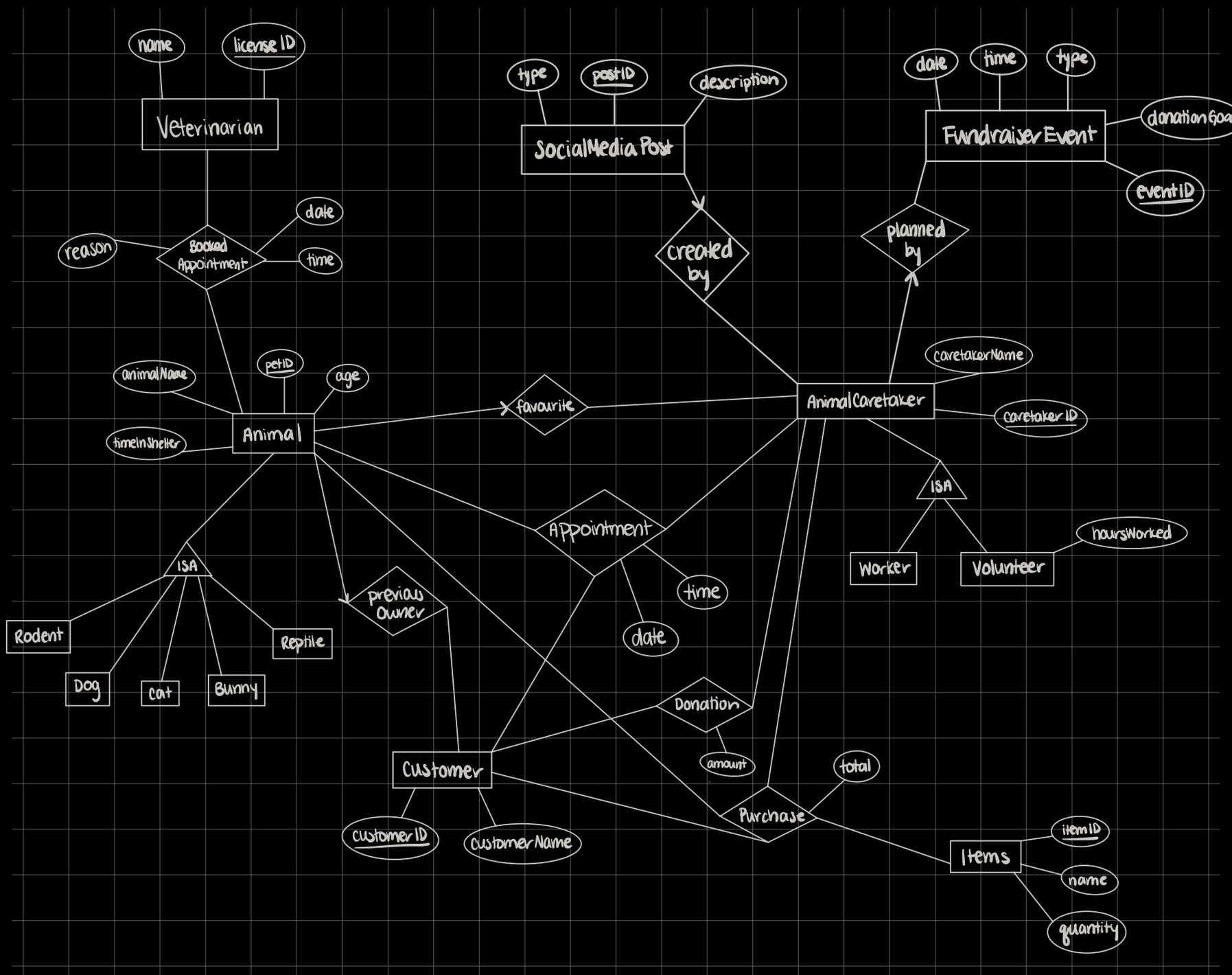
The database will provide the following functionalities:

- **Animal Records Management**: pet shelter's manager would be able to view Animal Profiles (list of all animals currently in the shelter, including details such as name, age, previous owner, and the duration of their stay), as well as to query specific animals based on various attributes.
- **People Records Tracking:** pet shelter's manager would be able to access animal caretakers, animal caretaker volunteers, adopters, and customer data (list of people that includes their names and unique IDs), as well as veterinarians used.
- **Appointment Tracking:** pet shelter's manager would be able to manage appointments (includes appointment details - date, time, the pet to be visited, the potential adopters involved, and the assigned animal caretaker facilitating the visit) as well as appointments with vets for specific animals.

- **Shelter Pet Shop Inventory Tracking:** users would be able to see the availability of items in the pet shop, enabling them to manage stock levels effectively.
- **Shelter Financial Records Tracking**: pet shelter's manager would be able to track sales and donation records (database would store logs of purchases made by customers in the pet shop, as well as the donations)
- **Other Administration:** tracks social media posts and events/fundraisers including dates and staff that created/planned it

3. Description of Application Platform
    - **Platform**
      We chose Oracle as our Database Management System for this application.

    - **Tech Stack**
        - Programming Language: PHP
        - Database Management System: Oracle Database
        - Version Control: GitHub
        - Front-End: HTML, CSS
4. ER diagram
    - **Entities**:
        - Animal
        - Animal Caretaker
        - Social Media Post
        - Fundraiser Event
        - Animal Caretaker Volunteer
        - Veterinarian
        - Animal Customer
        - Items
        - Purchases
    - **Relationships:**
        - Each social media post should have 1 animal caretaker that created it.
        - 1 animal caretaker can create multiple social media posts.
        - Each fundraiser event can be planned by multiple animal caretakers, but each caretaker can only help plan 1 event (due to limited funding).
        - Each animal can have a single favorite caretaker.
        - Each animal has a single previous caretaker.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SocialMedia Post
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Fundraiser Event
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